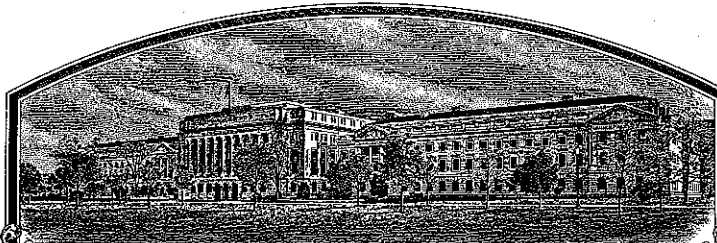


No.

200400266



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

A&P Technology Holding Company, LLC.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'DP 393'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of August, in the year two thousand and five.

Attest:

[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER D&PL Technology Holding Company, LLC.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 00W12		3. VARIETY NAME 'DP 393' <i>WHL 12/30/04</i>	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) PO Box 157 100 Main Street Scott, Mississippi 38772 USA		5. TELEPHONE (include area code) (662) 742-4141		PVPO NUMBER 200400266	
		6. FAX (include area code) (662) 742-3182		FILING DATE JUNE 31, 2004	
7. IF THE OWNER IS NOT A "PERSON" GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Limited Liability Company		8. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware		9. DATE OF INCORPORATION February 29, 1996	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Delta and Pine Land Company Kelly Casavechia P.O. Box 157 Scott, MS 38772				FILING AND EXAMINATION FEE: \$ 3,652.00 DATE 6/31/04 CERTIFICATION FEE: \$ 682.00 DATE 7/22/05	
11. TELEPHONE (include area code) (662) 742-4141		12. FAX (include area code) (662) 742-3182		13. E_MAIL kelly.h.casavechia@deltaandpine.com	
				14. CROP KIND (Common Name) Cotton	
15. GENUS AND SPECIES NAME OF CROP Gossypium hirsutum		16. FAMILY NAME (Botanical) Malvaceae		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse). a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)			19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)		
			20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO		
			21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)			23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)		
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF OWNER <i>Robert McGowen</i>			SIGNATURE OF OWNER <i>William V. Hugie</i>		
NAME (Please print or type) Robert McGowen			NAME (Please print or type) William V. Hugie		
CAPACITY OR TITLE Cotton Breeder		DATE 6/15/04		CAPACITY OR TITLE Vice President/Director of Research	
				DATE 6/23/04	

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (*See Section 97.6 of the Regulations and Rules of Practice*). Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) Identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (*See Regulations and Rules of Practice, Section 97.103*).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (*See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.*)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed/lsg-sd.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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S&T-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (02-99) which is obsolete.

EXHIBIT A

200400266
REPLACEMENT
8/20/04 LAH

D&PL TECHNOLOGY HOLDING COMPANY LLC.'S APPLICATION FOR

~~00W12~~ 'DP 393' LAH
12/30/04

ORIGIN AND BREEDING HISTORY

00W12 (12-27-62-10) originated from a cross between SG 125 and SG 501 in 1992 at Leland, MS. In 1993, F1 seed were planted and increased to produce the F2 population. In 1994, individual plants were selected and harvested from the bulk F2 population. Selection criteria used in the selection of 00W12 were lint percentage, micronaire, fiber length, and fiber strength. Seed from these individual plants were planted in F3 progeny rows in 1995, with one of these progeny rows having the designation 12-27-62. 12-27-62 was planted for reselection and began replicated testing in Leland, MS and Tribbett, MS in 1996. F5 seed from the individual plant designated 12-27-62-10 was planted and increased in Leland, MS in 1997. In 1998 and 1999, 12-27-62-10 was increased and planted in replicated yield trials in Leland and Tribbett, MS. In 1999, 12-27-62-10 was given the experimental name of 00W12.

In 2000, 00W12 was entered into Delta and Pine Land Company's research department advanced testing program for evaluation in 16 yield trials in Arkansas, Arizona, Georgia, Louisiana, Mississippi, Missouri, South Carolina, and Tennessee. In 2001, 00W12 was entered in 12 yield trials in Arkansas, Arizona, Georgia, Louisiana, Mississippi, Missouri, South Carolina, and Texas. In 2002, 00W12 was entered in 31 yield trials in Alabama, Arkansas, Arizona, California, Georgia, Louisiana, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Texas conducted by Delta and Pine Land Company's Research and Technical Services departments. In 2002 and 2003, foundation increases of 00W12 were planted in Mississippi and Arizona.

STATEMENT OF UNIFORMITY AND STABILITY

00W12 has been observed every generation since 1998 and has shown to be uniform and stable. No variants or off-type plants have been observed.

EXHIBIT B

D&PL TECHNOLOGY HOLDING COMPANY, LLC's
APPLICATION FOR00W12 'DP 393' ^{Wahl}
12/30/04

STATEMENT OF DISTINCTNESS

00W12 is an early maturing smoothleaf cotton variety. 00W12 most closely resembles SG 747 but can readily distinguished from SG 747 on the basis of its significantly higher lint percent, lower micronaire, longer fiber length, and higher fiber strength.

Trait	00W12	Greater or Less than	SG 747	Level of significance
Lint percent (%)	40.3	>	39.7	*
Micronaire	4.47	<	4.72	**
Fiber length (inches)	1.157	>	1.129	**
Fiber strength (g/tex)	30.69	>	28.85	**

* significant difference at 0.05 level of probability

** significant difference at 0.01 level of probability

REPRODUCE LOCALLY. Include form number and date on all reproductions.

REPLACEMENT 8/20/04 LAH
Form Approved - OMB No. 0581-0055

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C
(COTTON)

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S) D&PL TECHNOLOGY HOLDING COMPANY, LLC.	TEMPORARY DESIGNATION 00W12	VARIETY NAME 'DP 393' LAH 12/30/04
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) P.O. Box 157 100 N. Main Street Scott, Mississippi 38772		FOR OFFICIAL USE ONLY PVPO NUMBER 200400266

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. SG 747 Variety 2. _____ Variety 3. _____

1. SPECIES:

☒ G. hirsutum L. ☐ G. barbadense L.

2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

<input checked="" type="checkbox"/> <u>A</u> Eastern	<input checked="" type="checkbox"/> <u>A</u> Delta	<input checked="" type="checkbox"/> <u>A</u> Central	<input type="checkbox"/> <u>NT</u> Blacklands
<input checked="" type="checkbox"/> <u>A</u> Plains	<input checked="" type="checkbox"/> <u>A</u> Western	<input checked="" type="checkbox"/> <u>A</u> Arizona	<input checked="" type="checkbox"/> <u>A</u> San Joaquin
<input type="checkbox"/> Other (Specify): _____			

GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Plant Habit:				
spreading, Intermediate, Compact	<u>Intermediate</u>	<u>Intermediate</u>		
foliage:				
spare, Intermediate, Dense	<u>Sparse</u>	<u>Sparse</u>		
stem Lodging:				
lodging, Intermediate, Erect	<u>Intermediate</u>	<u>Intermediate</u>		
fruiting Branch:				
clustered, Short, Normal	<u>Normal</u>	<u>Normal</u>		

3. GENERAL: (continued)

REPLACEMENT 8/20/04
LAL

200400266

Growth:Determinate, Intermediate,
IndeterminateIntermediateIntermediate**Leaf Color:**Greenish yellow, Light green,
Medium green, Dark greenLight greenLight green**Boll Shape:** Length less than width,

Length equal to width,

Length more than width

Length more than widthLength more than width**Boll Breadth:** Broadest at base,

Broadest at middle

Broadest at baseBroadest at base

*4. MATURITY: (50 % Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls

September 15September 9

5. PLANT:

Cm to 1st Fruiting Branch:

(from cotyledonary node)

NANA**No. of Nodes to 1st Fruiting Branch:**

(excluding cotyledonary node)

5.25.7**Mature Plant Height cm:**

(from cotyledonary node to terminal)

105106

*6. LEAF: Upper most, fully expanded leaf.

Type: Normal, Sub Okra,

Okra, Super Okra

NormalNormal**Pubescence:** Absent, Sparse,Medium, Dense **OR** Trichomes/cm²

Bottom surface excluding veins)

SparseSparse**Nectaries:** Present or AbsentPresentPresent

*7. STEM PUBESCENCE:

Glabrous, Intermediate, Hairy

IntermediateIntermediate

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:NormalNormal**Stem:**NormalNormal**Calyx Lobe:** (normal is absent)NormalNormal

*9. FLOWER:

Petals: Cream, YellowCreamCream**Pollen:** Cream, YellowCreamCream**Petal Spot:** Present, AbsentAbsentAbsent

*10. SEED:

Seed Index:

(g/100 seed, fuzzy basis)

10.2

10.78

Lint Index:

(g lint/100 seeds)

6.8

7.0

***11. BOLL:**

Lint Percent:

X Picked

____ Pulled

40.3

39.7

OR

Gin Turnout:

____ Picked

____ Stripped

Number of Seeds per Boll

29

29

Grams Seed Cotton per Boll

5.28

5.32

Number of Locules per Boll

4-5

4-5

Boll Type:

Stormproof, Storm Resistant, Open)

Open

Open

12. FIBER PROPERTIES:

Specify Method (HVI or other): HVI

Length: (inches, 2.5% SL)

1.157

1.129

Uniformity: (%)

84.89

84.65

Strength, T1 (g/tex)

30.69

28.85

Elongation, E1 (%)

12.39

12.68

Micronaire:

4.47

4.72

Fineness (Source _____)

Yarn Tenacity: (cN/tex, 27 tex)

Yarn Strength: (lbs. 22's)

3. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

NT *Alternaria macrospora*

MR Fusarium Wilt

NT Anthracnose

NT Phymatotrichum Root Rot

NT Ascochyta Blight

NT *Pythium* (specify species)

NT Bacterial Blight (Race 1)

NT *Rhizoctonia solani*

NT Bacterial Blight (Race 2)

NT Southwestern Cotton Rust

NT Bacterial Blight (Race _____)

NT *Thielaviopsis basicola*

3. DISEASES : (continued)

200400266

14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

MR Root-Knot NematodeS Reniform NematodeS Boll Weevil

NT Grasshopper (specify species): _____

S Bollworm

S Lygus (specify species): _____

S Cotton Aphid

S Pink Bollworm

NT Cotton Fleahopper

 S Spider Mite (specify species): _____

NT Cotton Leafworm

NT Stink Bug (specify species): _____

 S Cutworm (specify species): _____

NT Thrips (specify

species): _____

S Fall Armyworm

S Tobacco Bud Worm

Other (specify): _____

5. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes our variety.

EXHIBIT D

D&PL TECHNOLOGY HOLDING COMPANY, LLC.

Application for:

00W12 'DP 393' LALJ
12/30/04

Table 1. Head to head comparisons of 00W12 with SG 747

					Lint Turnout		Micronaire		Length		Uniformity Ratio		Strength		Elongation	
YEAR	REG-ION	EXPT	COUNTY	STATE	00W12	SG 747	00W12	SG 747	00W12	SG 747	00W12	SG 747	00W12	SG 747	00W12	SG 747
2000	AZ	03CG0718	PINAL	AZ	40.8	39.3	4.7	5.3	1.17	1.14	84.8	84.7	27.6	26.2	12.8	13.4
2000	NODE	02CY3001	LONOKE	AR	39.3	39.3	4.3	4.6	1.13	1.09	84.4	83.8	31.8	29.2	11.8	11.8
2000	NODE	02DY3003	DYER	TN	39.1	39.4	3.7	3.8	1.13	1.06	83.5	82.7	30.8	28.0	12.5	12.2
2000	NODE	02LC3005	DESOTO	MS	40.9	40.0	4.1	4.3	1.07	1.05	82.1	83.0	26.3	26.3	12.0	12.8
2000	NODE	02LE0315	WASHINGTON	MS	36.0	34.0	4.7	4.5	1.23	1.18	85.8	85.0	31.7	29.0	11.5	12.9
2000	NODE	02MN3004	MISSISSIPPI	AR	38.4	38.4	3.5	4.0	1.15	1.14	83.9	84.0	27.9	27.2	12.6	12.8
2000	NODE	02SK3002	SCOTT	MO	40.3	40.3	4.4	4.5	1.18	1.14	85.8	85.1	31.2	31.0	12.6	12.8
2000	NODE	02ST3006	WASHINGTON	MS	38.4	38.9	4.6	4.9	1.19	1.17	84.4	84.0	30.0	28.3	12.5	12.6
2000	NODE	02TR0316	WASHINGTON	MS	41.9	42.2	4.6	5.0	1.08	1.05	84.3	84.0	30.5	28.3	11.5	11.4
2000	NODE	03CY0345	LONOKE	AR	39.8	38.6	4.1	4.6	1.12	1.06	83.7	83.0	29.1	26.7	11.5	12.0
2000	NODE	03LC0346	DESOTO	MS	37.4	38.9	3.5	3.9	1.12	1.07	82.8	82.7	29.7	27.3	12.0	12.2
2000	NODE	03LE0344	WASHINGTON	MS	36.9	37.1	4.6	5.1	1.22	1.16	84.6	84.9	31.7	30.1	11.6	12.3
2000	NOSE	03HV0112	DARLINGTON	SC	43.0	42.4	4.6	4.9	1.10	1.06	83.3	82.9	30.0	26.5	13.4	13.6
2000	SODE	03PB0421	SHARKEY	MS	38.5	39.1	4.0	4.5	1.07	1.07	83.0	83.0	27.6	27.3	12.5	12.2
2000	SODE	03WI0420	FRANKLIN	LA	39.3	38.9	4.6	4.9	1.12	1.08	83.0	84.0	29.7	27.6	11.0	12.2
2000	SOSE	03SV0209	WORTH	GA	41.1	40.4	4.5	4.6	1.16	1.10	83.7	82.9	29.1	27.3	12.6	12.6
2001	AZ	13CO0739	PINAL	AZ	42.5	42.7	5.3	6.0	1.16	1.13	85.1	85.2	31.4	30.8	12.1	11.5
2001	NODE	12CY0350	LONOKE	AR	39.6	40.1	5.0	5.4	1.19	1.20	84.4	84.5	31.9	30.0	12.3	13.0
2001	NODE	12SK0353	SCOTT	MO	39.3	38.8	4.6	4.5	1.19	1.18	84.6	84.8	30.0	28.3	12.4	13.6
2001	NODE	13LE0309	WASHINGTON	MS	39.6	38.4	4.9	5.2	1.28	1.22	86.8	85.5	35.3	33.8	11.0	10.7
2001	NODE	13MN0310	MISSISSIPPI	AR	38.5	37.1	4.8	4.7	1.20	1.16	85.4	85.1	31.6	28.6	11.5	12.7
2001	NOSE	13GB0114	WAYNE	NC	44.0	42.0	4.2	4.3	1.12	1.11	83.5	83.0	29.7	28.4	15.1	14.6
2001	NOSE	13HV0113	DARLINGTON	SC	42.0	42.0	4.3	4.6	1.16	1.13	83.8	84.3	30.4	28.0	13.7	13.9
2001	SODE	13PB0437	SHARKEY	MS	39.7	38.4	4.1	4.3	1.11	1.11	84.0	83.0	29.4	28.6	13.1	12.4
2001	SODE	13PU0438	SHARKEY	MS	41.2	40.3	4.6	4.6	1.14	1.14	84.0	84.0	29.6	29.1	11.5	11.6
2001	SOSE	13TF0213	TIFT	GA	38.8	38.0	4.5	4.5	1.19	1.17	85.6	84.7	33.0	30.2	12.3	14.2
2001	TXHP	13SN0653	MARTIN	TX	45.3	43.3	5.4	5.8	1.12	1.11	83.2	82.7	30.0	27.5	8.4	8.2
2001	TXRP	13HI0531	HASKELL	TX	41.6	39.5	4.5	4.6	1.20	1.20	85.8	85.1	33.0	32.1	12.7	12.6
2002	NODE	24CY0302	LONOKE	AR	41.3	40.8	5.0	5.0	1.21	1.18	85.8	90.0	33.2	30.2	13.7	14.5
2002	NODE	24MN0303	MISSISSIPPI	AR	43.8	40.5	4.5	4.7	1.14	1.13	86.9	87.3	31.1	29.0	12.3	14.0
2002	NODE	24SK0304	SCOTT	MO	39.7	40.0	4.2	4.6	1.19	1.18	93.0	89.3	33.5	30.9	16.7	15.7
2002	NODE	24SM0301	BOLIVAR	MS	40.9	40.8	4.9	5.2	1.20	1.16	91.7	90.9	34.5	31.7	13.5	12.9
Average					40.27	39.68	4.47	4.72	1.157	1.129	84.89	84.65	30.69	28.85	12.4	12.7
No. Comparisons					32		32		32		32		32		32	
Difference					0.59		-0.25		0.028		0.24		1.84		-0.30	
F ratio - Analysis of Variance					10.915		42.192		54.100		1.383		119.426		5.065	
Probability of difference - F test					0.0024		<0.0001		<0.0001		0.2484		<0.0001		0.0316	

Values in red are derived from the Analysis of Variance routine in the EXCEL - ANALYSIS TOOL PAK add-in

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) D&PL TECHNOLOGY HOLDING COMPANY LLC.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER 00W12	3. VARIETY NAME 'DP 393' <i>LAW 12/30/04</i>
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) P.O. BOX 157 SCOTT, MISSISSIPPI 38772	5. TELEPHONE (Include area code) 662.742.4141	6. FAX (Include area code) 662.742.3182
7. PVPO NUMBER 200400266		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
---	-----------------------------

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

<input type="checkbox"/> YES	<input type="checkbox"/> NO
------------------------------	-----------------------------

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

<input type="checkbox"/> YES	<input type="checkbox"/> NO
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If no, give name of country

11. Additional explanation on ownership (If needed, use the reverse for extra space):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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